

TABLE C-5  
KECY-TV-CHANNEL 9  
WITHOUT KTNV CHANNEL 9 DTV

Message Segment (/taservice/restart/RS209Aug2097J.desc):

NTSC/DTV Interference study /taservice/restart/RS209Aug2097J.desc

Desired Station Name: KECYTV Station Type: NTSC  
City: EL CENTRO State: CA Channel: 9

Undesired Station 1 Name: KCFG Station Type: NTSC  
City: FLAGSTAFF State: AZ Channel: 9 km:383.8 mi:238.5 bear: 49.8

Undesired Station 2 Name: KAET Station Type: NTSC  
City: PHOENIX State: AZ Channel: 8 km:258.9 mi:160.9 bear: 82.4

Undesired Station 3 Name: KSAZTV Station Type: NTSC  
City: PHOENIX State: AZ Channel: 10 km:259.1 mi:161.0 bear: 82.4

Undesired Station 4 Name: KGUN Station Type: NTSC  
City: TUCSON State: AZ Channel: 9 km:390.9 mi:242.9 bear: 99.4

Undesired Station 5 Name: DKABCTV Station Type: HDTV  
City: LOS ANGELE State: CA Channel: 8 km:326.7 mi:203.0 bear:294.4

Undesired Station 6 Name: KCALTV Station Type: NTSC  
City: LOS ANGELE State: CA Channel: 9 km:326.8 mi:203.0 bear:294.4

Undesired Station 7 Name: KFMBTV Station Type: NTSC  
City: SAN DIEGO State: CA Channel: 8 km:227.1 mi:141.1 bear:264.6

Undesired Station 8 Name: KGTV Station Type: NTSC  
City: SAN DIEGO State: CA Channel: 10 km:227.1 mi:141.1 bear:264.6

Undesired Station 9 Name: KLASTV Station Type: NTSC  
City: LAS VEGAS State: NV Channel: 8 km:321.8 mi:200.0 bear:356.6

Undesired Station 10 Name: KLVX Station Type: NTSC  
City: LAS VEGAS State: NV Channel: 10 km:328.5 mi:204.1 bear:357.2

Stations that actually do contribute to interference.

Name	NTSC Int	HDTV Int
KAET	3.11 sq km	.00 sq km
KCALTV	12.42 sq km	.00 sq km

Signal below minimum

Area: 96100. sq km  
Population: 368000.  
Households: 137000.

Interference

Area: 20. sq km  
Population: 0.  
Households: 0.

No Interference

Area: 26460. sq km  
Population: 253000.  
Households: 79000.

FIGURE C-5  
KEY-TV - CHANNEL 9  
WITHOUT KTNV CHANNEL 9 DTV

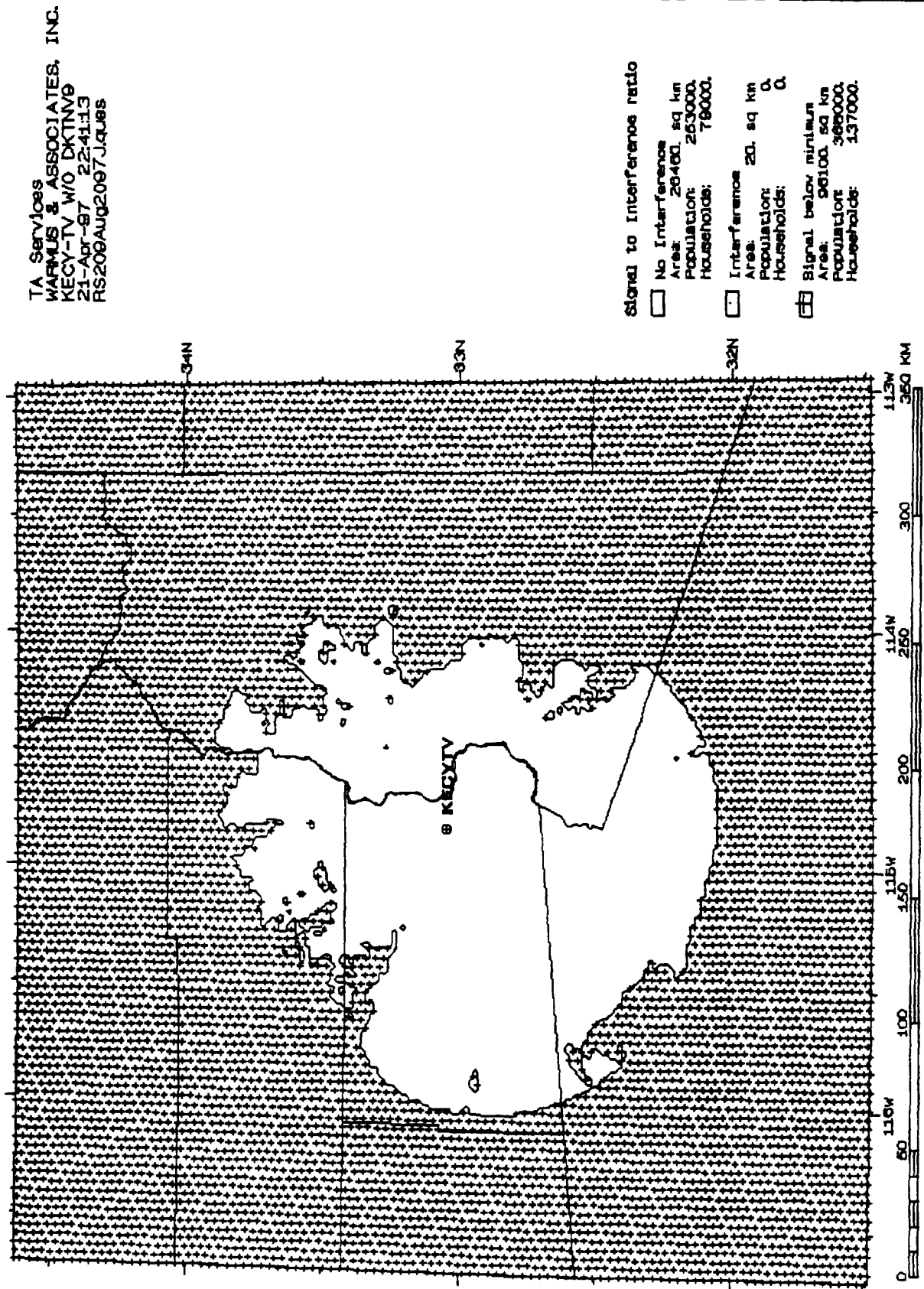


TABLE C-6  
KCAL-TV-CHANNEL 9  
WITH KTNV CHANNEL 9 DTV

Message Segment (/taservice/restart/RS209Aug2097K.desc):

NTSC/DTV Interference study /taservice/restart/RS209Aug2097K.desc

Desired Station Name: KCALTV Station Type: NTSC  
City: LOS ANGELE State: CA Channel: 9

Undesired Station 1 Name: DKEROTV Station Type: HDTV  
City: BAKERSFIEL State: CA Channel: 10 km:144.6 mi: 89.8 bear:340.7

Undesired Station 2 Name: KECYTV Station Type: NTSC  
City: EL CENTRO State: CA Channel: 9 km:326.8 mi:203.0 bear:112.6

Undesired Station 3 Name: DKFSNTV Station Type: HDTV  
City: FRESNO State: CA Channel: 9 km:339.9 mi:211.2 bear:339.1

Undesired Station 4 Name: DKABCTV Station Type: HDTV  
City: LOS ANGELE State: CA Channel: 8 km: .1 mi: .0 bear:124.8

Undesired Station 5 Name: KFMBTV Station Type: NTSC  
City: SAN DIEGO State: CA Channel: 8 km:172.0 mi:106.9 bear:153.6

Undesired Station 6 Name: KGTV Station Type: NTSC  
City: SAN DIEGO State: CA Channel: 10 km:171.9 mi:106.8 bear:153.6

Undesired Station 7 Name: KLASTV Station Type: NTSC  
City: LAS VEGAS State: NV Channel: 8 km:334.8 mi:208.0 bear: 54.4

Undesired Station 8 Name: KLVX Station Type: NTSC  
City: LAS VEGAS State: NV Channel: 10 km:341.3 mi:212.1 bear: 53.7

Undesired Station 9 Name: DKTNV Station Type: HDTV  
City: LAS VEGAS State: NV Channel: 9 km:334.8 mi:208.0 bear: 54.4

Stations that actually do contribute to interference.

Name	NTSC Int	HDTV Int
KECYTV	40.33 sq km	.00 sq km
DKFSNTV	.00 sq km	73.57 sq km
DKABCTV	.00 sq km	420.68 sq km
KFMBTV	541.90 sq km	.00 sq km
KGTV	177.69 sq km	.00 sq km
DKTNV	.00 sq km	24.67 sq km

Signal below minimum

Area: 100520. sq km

Population: 4566000.

Households: 1625000.

Interference

Area: 1020. sq km

Population: 197000.

Households: 74000.

No Interference

Area: 21040. sq km

Population: 12441000.

Households: 4187000.

FIGURE C-6  
KCAL-TV-CHANNEL 9  
WITH KTNV CHANNEL 9 DTV

TA Services  
WARNUS & ASSOCIATES, INC.  
KCAL-TV WDKTNV  
21-Apr-97 22:41:13  
R5208Aug2087K.ques

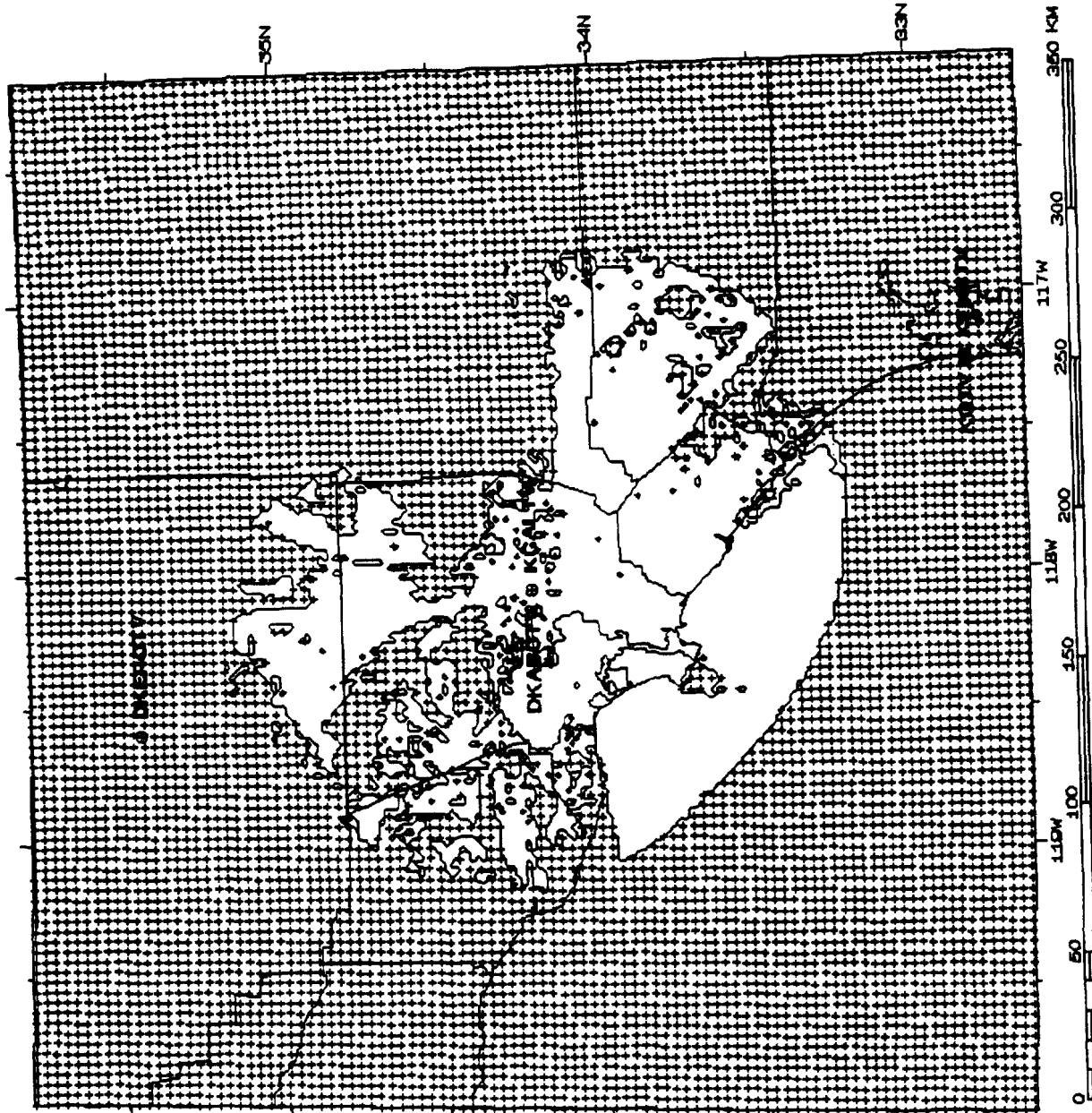


TABLE C-7  
KCAL-TV-CHANNEL 9  
WITHOUT KTNV CHANNEL 9 DTV

Message Segment (/taservice/restart/RS209Aug2097L.desc):

NTSC/DTV Interference study /taservice/restart/RS209Aug2097L.desc

Desired Station Name: KCALTV Station Type: NTSC  
City: LOS ANGELE State: CA Channel: 9  
Undesired Station 1 Name: DKEROTV Station Type: HDTV  
City: BAKERSFIEL State: CA Channel: 10 km:144.6 mi: 89.8 bear:340.7  
Undesired Station 2 Name: KECYTV Station Type: NTSC  
City: EL CENTRO State: CA Channel: 9 km:326.8 mi:203.0 bear:112.6  
Undesired Station 3 Name: DKFSNTV Station Type: HDTV  
City: FRESNO State: CA Channel: 9 km:339.9 mi:211.2 bear:339.1  
Undesired Station 4 Name: DKABCTV Station Type: HDTV  
City: LOS ANGELE State: CA Channel: 8 km: .1 mi: .0 bear:124.8  
Undesired Station 5 Name: KFMBTV Station Type: NTSC  
City: SAN DIEGO State: CA Channel: 8 km:172.0 mi:106.9 bear:153.6  
Undesired Station 6 Name: KGTV Station Type: NTSC  
City: SAN DIEGO State: CA Channel: 10 km:171.9 mi:106.8 bear:153.6  
Undesired Station 7 Name: KLASTV Station Type: NTSC  
City: LAS VEGAS State: NV Channel: 8 km:334.8 mi:208.0 bear: 54.4  
Undesired Station 8 Name: KLVX Station Type: NTSC  
City: LAS VEGAS State: NV Channel: 10 km:341.3 mi:212.1 bear: 53.7

Stations that actually do contribute to interference.

Name	NTSC Int	HDTV Int
KECYTV	40.33 sq km	.00 sq km
DKFSNTV	.00 sq km	73.57 sq km
DKABCTV	.00 sq km	420.68 sq km
KFMBTV	541.90 sq km	.00 sq km
KGTV	177.69 sq km	.00 sq km

Signal below minimum

Area: 100520. sq km

Population: 4566000.

Households: 1625000.

Interference

Area: 990. sq km

Population: 197000.

Households: 74000.

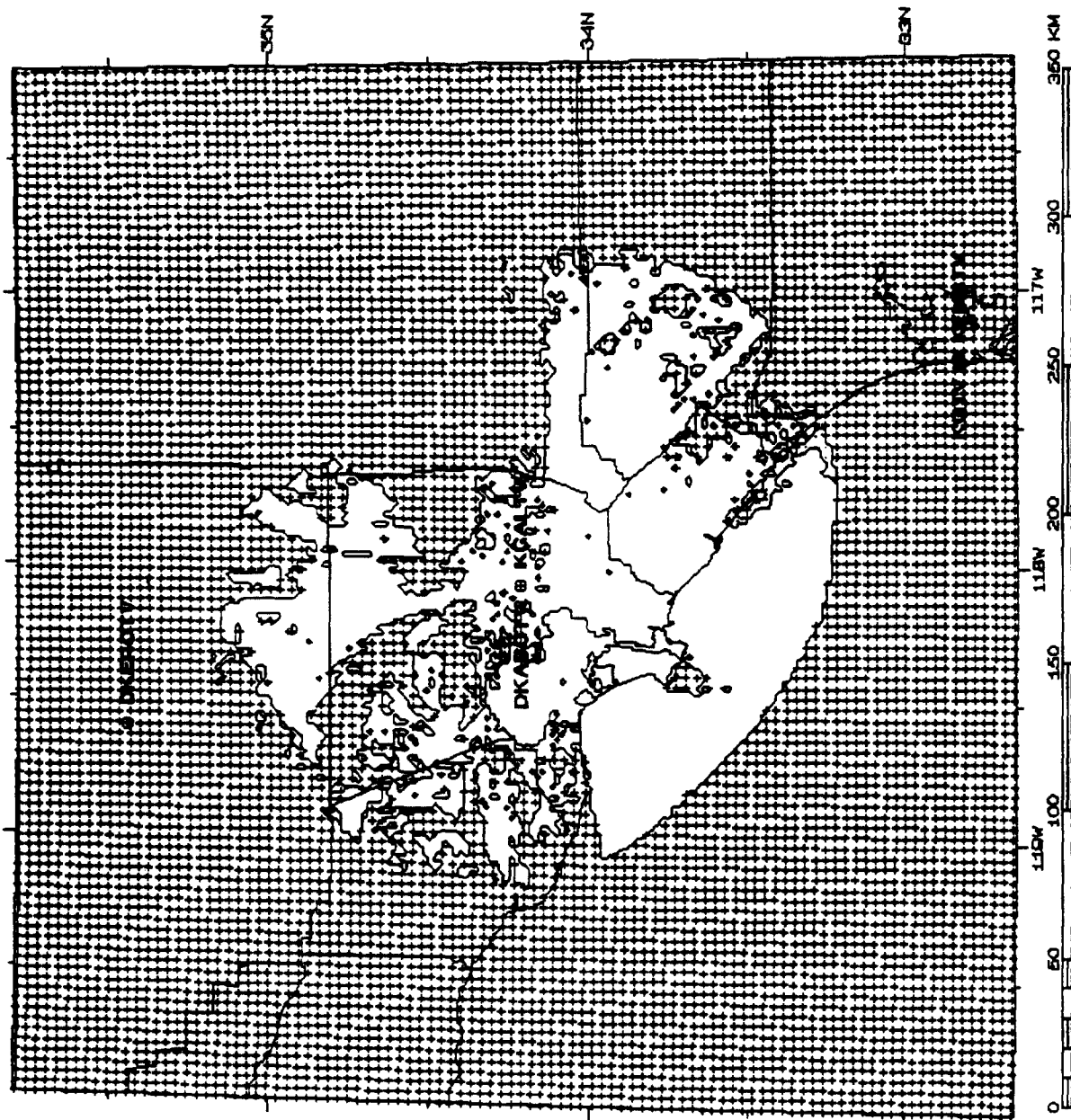
No Interference

Area: 21060. sq km

Population: 12441000.

Households: 4187000.

FIGURE C-7  
KCAL-TV-CHANNEL 9  
WITHOUT KTNV CHANNEL 9 DTV



TA Services  
WARMUS & ASSOCIATES, INC.  
KCAL-TV W/O DKTNVB  
21-Apr-97 22:41:13  
RS208Aug2087L.ques

Signal to Interference ratio

- ☐ No Interference  
Area: 21000. sq km  
Population: 12441000.  
Households: 4387000.
- ☐ Interference  
Area: 990. sq km  
Population: 197000.  
Households: 74000.
- ☐ Signal below minimum  
Area: 100520. sq km  
Population: 4566000.  
Households: 1626000.

TABLE C-8  
 KLAS-TV-CHANNEL 8  
 WITH KTNV CHANNEL 9 DTV

Message Segment (/taservice/restart/RS209Aug2097M.desc):

NTSC/DTV Interference study /taservice/restart/RS209Aug2097M.desc

Desired Station Name: KLASTV Station Type: NTSC  
 City: LAS VEGAS State: NV Channel: 8

Undesired Station 1 Name: KCFG Station Type: NTSC  
 City: FLAGSTAFF State: AZ Channel: 9 km:321.1 mi:199.5 bear:103.1

Undesired Station 2 Name: KAET Station Type: NTSC  
 City: PHOENIX State: AZ Channel: 8 km:398.1 mi:247.3 bear:136.0

Undesired Station 3 Name: KUSK Station Type: NTSC  
 City: PRESCOTT State: AZ Channel: 7 km:299.9 mi:186.3 bear:116.9

Undesired Station 4 Name: KVEY Station Type: NTSC  
 City: EL CENTRO State: CA Channel: 7 km:322.2 mi:200.2 bear:176.4

Undesired Station 5 Name: KECYTV Station Type: NTSC  
 City: EL CENTRO State: CA Channel: 9 km:321.8 mi:200.0 bear:176.4

Undesired Station 6 Name: KABCTV Station Type: NTSC  
 City: LOS ANGELE State: CA Channel: 7 km:334.8 mi:208.0 bear:236.1

Undesired Station 7 Name: DKABCTV Station Type: HDTV  
 City: LOS ANGELE State: CA Channel: 8 km:334.8 mi:208.0 bear:236.1

Undesired Station 8 Name: KCALTV Station Type: NTSC  
 City: LOS ANGELE State: CA Channel: 9 km:334.8 mi:208.0 bear:236.1

Undesired Station 9 Name: DKLASTV Station Type: HDTV  
 City: LAS VEGAS State: NV Channel: 7 km: .0 mi: .0 bear: .0

Undesired Station 10 Name: DKUSG Station Type: HDTV  
 City: ST. GEORGE State: UT Channel: 9 km:180.8 mi:112.4 bear: 46.2

Undesired Station 11 Name: DKTNV Station Type: HDTV  
 City: LAS VEGAS State: NV Channel: 9 km: .0 mi: .0 bear:136.7

Stations that actually do contribute to interference.

Name	NTSC Int	HDTV Int
KAET	37.50 sq km	.00 sq km
DKLASTV	.00 sq km	262.81 sq km
DKTNV	.00 sq km	599.41 sq km

Signal below minimum

Area: 101080. sq km

Population: 196000.

Households: 71000.

Interference

Area: 640. sq km

Population: 1000.

Households: 0.

No Interference

Area: 20850. sq km

Population: 709000.

Households: 273000.

FIGURE C-8  
 KLAS-TV-CHANNEL 8  
 WITH KTNV CHANNEL 9 DTV

TA Services  
 WARMUS & ASSOCIATES, INC.  
 KLAS-TV W/ DKTNV  
 21-Apr-87 22:41:13  
 RS209Aug2097M.qjrs

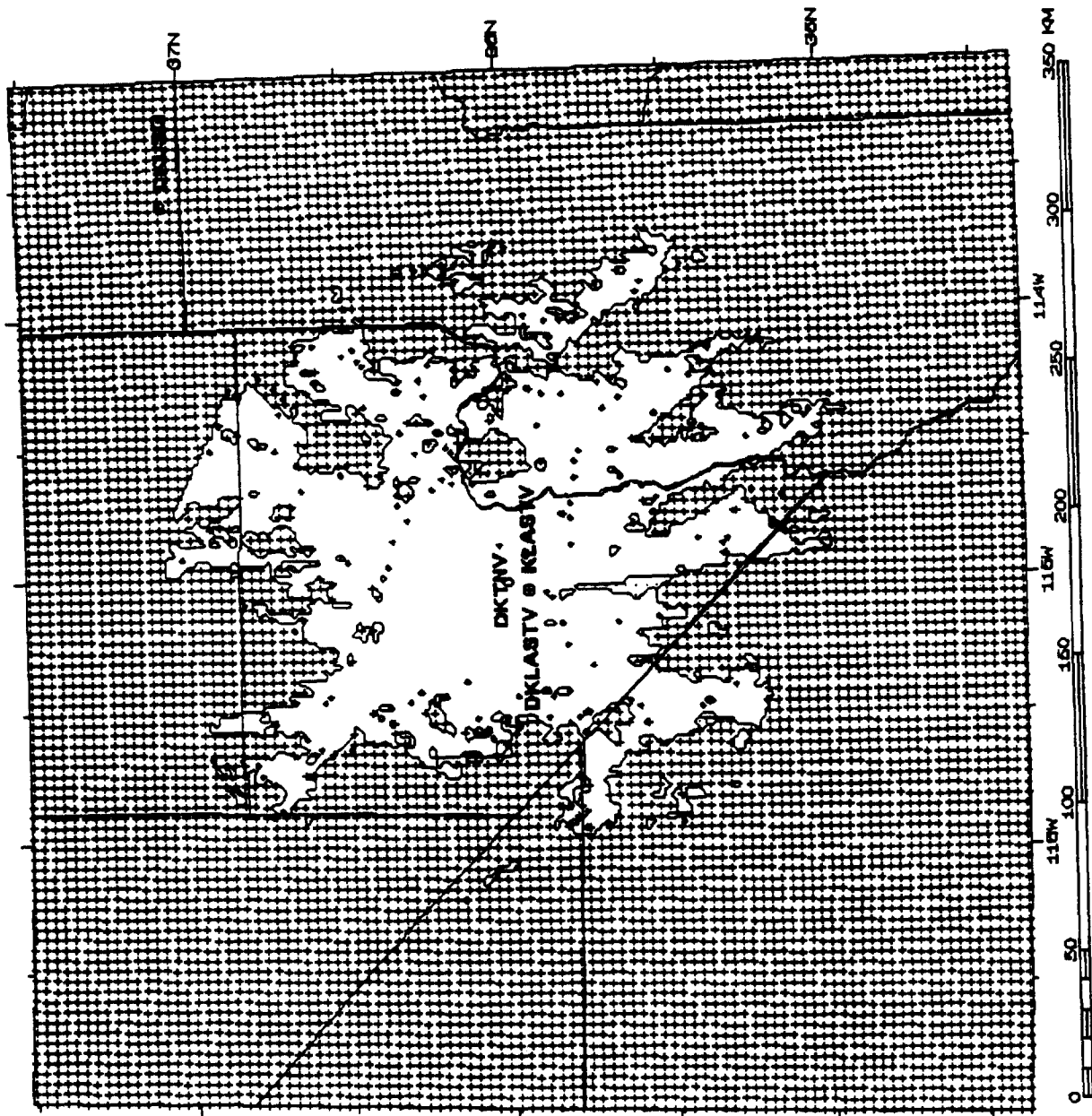




TABLE C-9  
 KLAS-TV-CHANNEL 8  
 WITHOUT KTNV CHANNEL 9 DTV

Message Segment (/taservice/restart/RS209Aug2097N.desc):

NTSC/DTV Interference study /taservice/restart/RS209Aug2097N.desc

Desired Station Name: KLASTV Station Type: NTSC  
 City: LAS VEGAS State: NV Channel: 8

Undesired Station 1 Name: KCFG Station Type: NTSC  
 City: FLAGSTAFF State: AZ Channel: 9 km:321.1 mi:199.5 bear:103.1

Undesired Station 2 Name: KAET Station Type: NTSC  
 City: PHOENIX State: AZ Channel: 8 km:398.1 mi:247.3 bear:136.0

Undesired Station 3 Name: KUSK Station Type: NTSC  
 City: PRESCOTT State: AZ Channel: 7 km:299.9 mi:186.3 bear:116.9

Undesired Station 4 Name: KVEY Station Type: NTSC  
 City: EL CENTRO State: CA Channel: 7 km:322.2 mi:200.2 bear:176.4

Undesired Station 5 Name: KECYTV Station Type: NTSC  
 City: EL CENTRO State: CA Channel: 9 km:321.8 mi:200.0 bear:176.4

Undesired Station 6 Name: KABCTV Station Type: NTSC  
 City: LOS ANGELE State: CA Channel: 7 km:334.8 mi:208.0 bear:236.1

Undesired Station 7 Name: DKABCTV Station Type: HDTV  
 City: LOS ANGELE State: CA Channel: 8 km:334.8 mi:208.0 bear:236.1

Undesired Station 8 Name: KCALTV Station Type: NTSC  
 City: LOS ANGELE State: CA Channel: 9 km:334.8 mi:208.0 bear:236.1

Undesired Station 9 Name: DKLASTV Station Type: HDTV  
 City: LAS VEGAS State: NV Channel: 7 km: .0 mi: .0 bear: .0

Undesired Station 10 Name: DKUSG Station Type: HDTV  
 City: ST. GEORGE State: UT Channel: 9 km:180.8 mi:112.4 bear: 46.2

Stations that actually do contribute to interference.

Name	NTSC Int	HDTV Int
KAET	37.50 sq km	.00 sq km
DKLASTV	.00 sq km	262.81 sq km

Signal below minimum

Area: 101080. sq km

Population: 196000.

Households: 71000.

Interference

Area: 300. sq km

Population: 0.

Households: 0.

No Interference

Area: 21200. sq km

Population: 710000.

Households: 273000.

TABLE C-10  
KLVX-CHANNEL 10  
WITH KTNV CHANNEL 9 DTV

Message Segment (/taservice/restart/RS209Aug20970.desc):

NTSC/DTV Interference study /taservice/restart/RS209Aug20970.desc

Desired Station Name: KLVX Station Type: NTSC  
City: LAS VEGAS State: NV Channel: 10

Undesired Station 1 Name: KCFG Station Type: NTSC  
City: FLAGSTAFF State: AZ Channel: 9 km:319.6 mi:198.6 bear:104.5

Undesired Station 2 Name: KYMA Station Type: NTSC  
City: YUMA State: AZ Channel: 11 km:328.8 mi:204.3 bear:177.1

Undesired Station 3 Name: DKEROTV Station Type: HDTV  
City: BAKERSFIEL State: CA Channel: 10 km:329.4 mi:204.7 bear:260.3

Undesired Station 4 Name: KECYTV Station Type: NTSC  
City: EL CENTRO State: CA Channel: 9 km:328.5 mi:204.1 bear:177.1

Undesired Station 5 Name: KCALTV Station Type: NTSC  
City: LOS ANGELE State: CA Channel: 9 km:341.4 mi:212.1 bear:235.5

Undesired Station 6 Name: KTTV Station Type: NTSC  
City: LOS ANGELE State: CA Channel: 11 km:341.3 mi:212.0 bear:235.4

Undesired Station 7 Name: DKLVX Station Type: HDTV  
City: LAS VEGAS State: NV Channel: 11 km: .0 mi: .0 bear:270.0

Undesired Station 8 Name: DKUSG Station Type: HDTV  
City: ST. GEORGE State: UT Channel: 9 km:173.7 mi:108.0 bear: 47.1

Undesired Station 9 Name: DKTNV Station Type: HDTV  
City: LAS VEGAS State: NV Channel: 9 km: 7.6 mi: 4.7 bear:204.8

Stations that actually do contribute to interference.

Name	NTSC Int	HDTV Int
DKLVX	.00 sq km	283.74 sq km
DKTNV	.00 sq km	652.82 sq km

Signal below minimum

Area: 106200. sq km

Population: 182000.

Households: 65000.

Interference

Area: 850. sq km

Population: 0.

Households: 0.

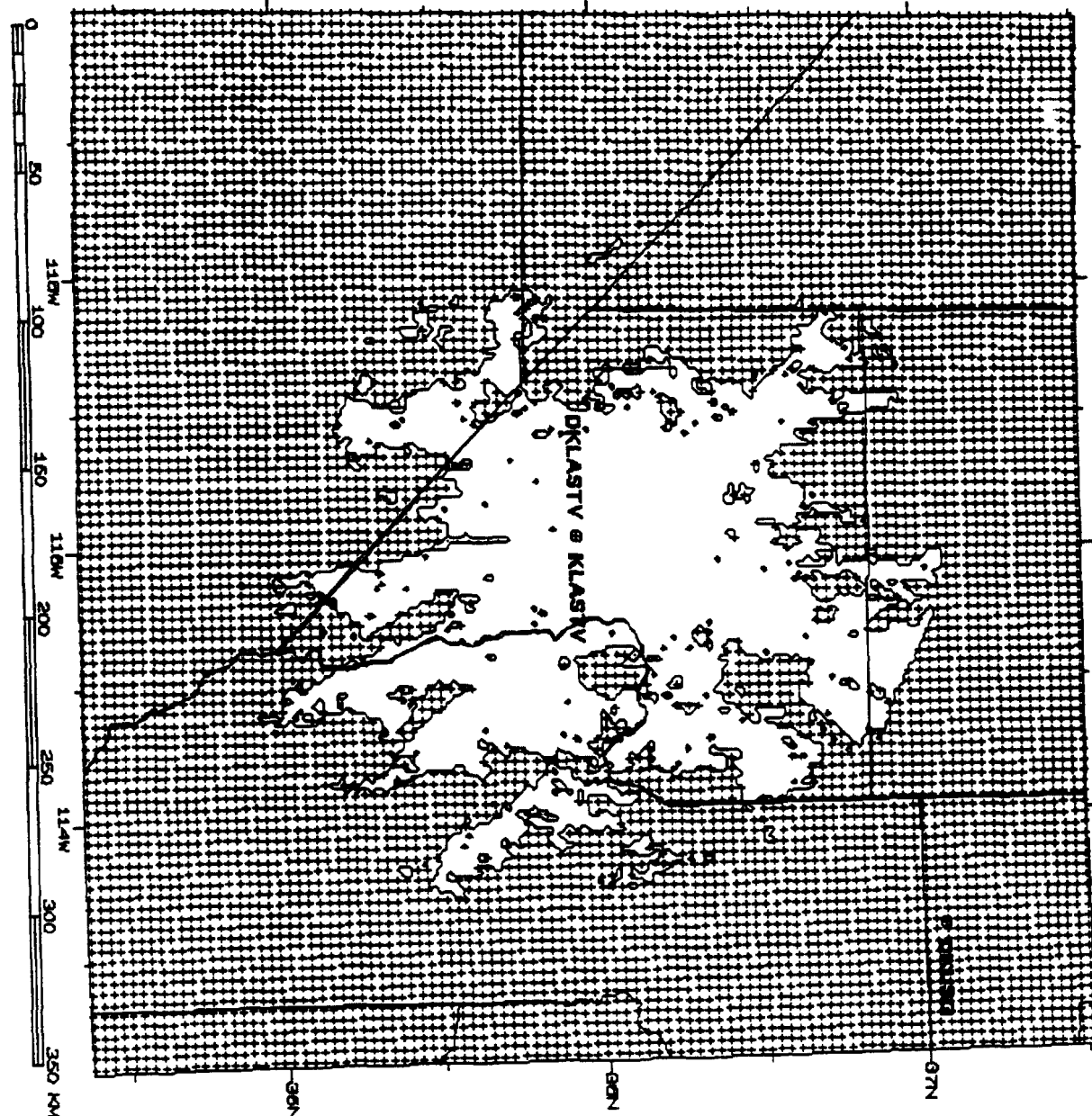
No Interference

Area: 15530. sq km

Population: 705000.

Households: 272000.

FIGURE C-9  
KLAS-TV-CHANNEL 8  
WITHOUT KTNV CHANNEL 9 DTV



Signal to Interference ratio

- ☐ No Interference
  - Area: 21200 sq km
  - Population: 710000
  - Households: 273000
- ☐ Interference
  - Area: 300 sq km
  - Population: 0
  - Households: 0
- ☒ Signal below minimum
  - Area: 101080 sq km
  - Population: 190000
  - Households: 71000

TA Services  
WARNER & ASSOCIATES, INC.  
KLAS-TV W/O DKTIV9  
21-Apr-97 22:41:13  
RS209Aug2097Niques

FIGURE C-10  
KLVX-CHANNEL 10  
WITH KTNV CHANNEL 9 DTV

TA Services  
WARMUS & ASSOCIATES, INC.  
KLVX W/ DKTNVS  
21-Apr-97 22:41:13  
RS200Aug200970.ques

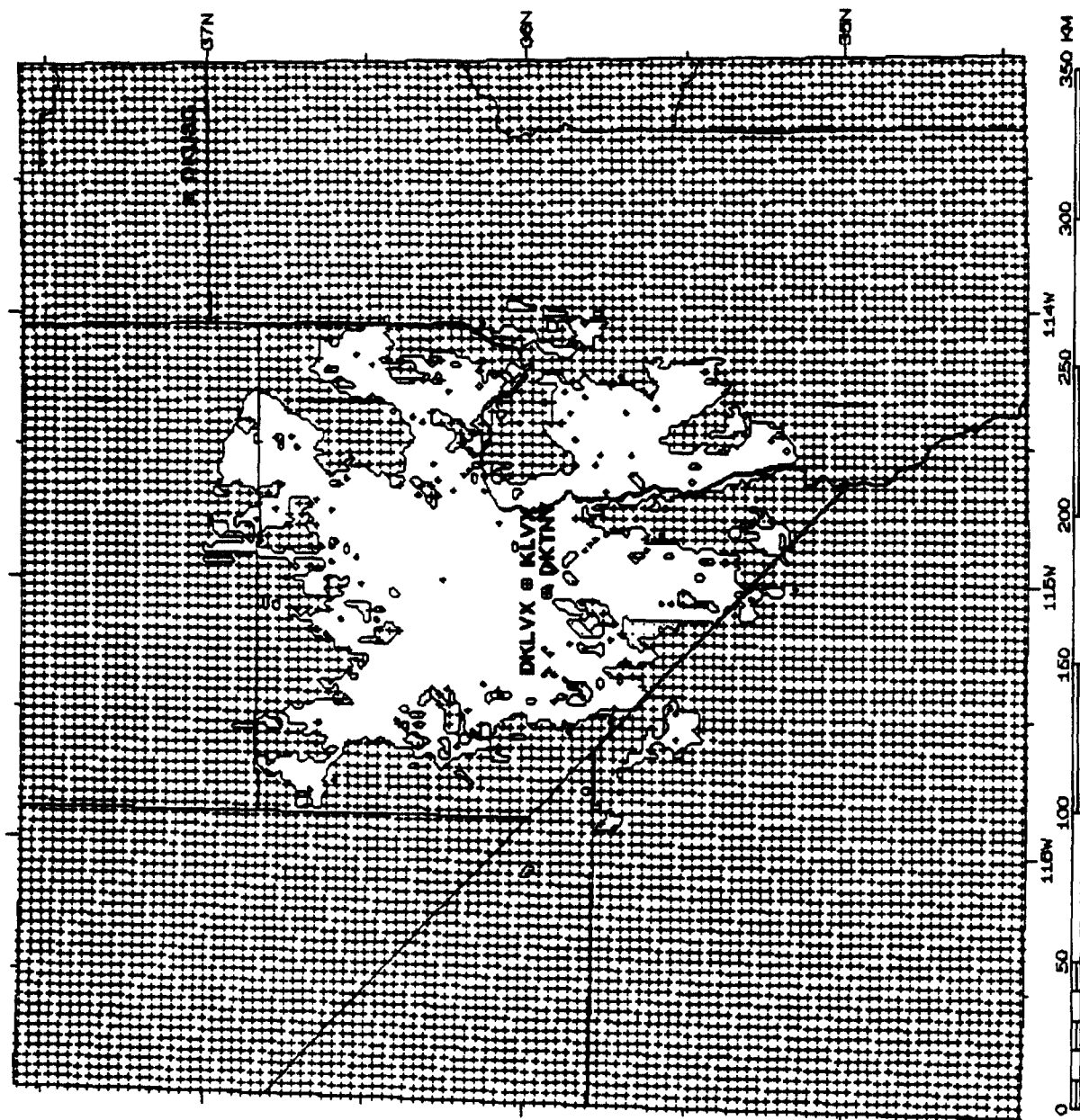


TABLE C-11  
KLVX-CHANNEL 10  
WITHOUT KTNV CHANNEL 9 DTV

Message Segment (/taservice/restart/RS209Aug2097P.desc):

NTSC/DTV Interference study /taservice/restart/RS209Aug2097P.desc

Desired Station Name: KLVX Station Type: NTSC  
City: LAS VEGAS State: NV Channel: 10

Undesired Station 1 Name: KCFG Station Type: NTSC  
City: FLAGSTAFF State: AZ Channel: 9 km:319.6 mi:198.6 bear:104.5

Undesired Station 2 Name: KYMA Station Type: NTSC  
City: YUMA State: AZ Channel: 11 km:328.8 mi:204.3 bear:177.1

Undesired Station 3 Name: DKEROTV Station Type: HDTV  
City: BAKERSFIEL State: CA Channel: 10 km:329.4 mi:204.7 bear:260.3

Undesired Station 4 Name: KECYTV Station Type: NTSC  
City: EL CENTRO State: CA Channel: 9 km:328.5 mi:204.1 bear:177.1

Undesired Station 5 Name: KCALTV Station Type: NTSC  
City: LOS ANGELE State: CA Channel: 9 km:341.4 mi:212.1 bear:235.5

Undesired Station 6 Name: KTTV Station Type: NTSC  
City: LOS ANGELE State: CA Channel: 11 km:341.3 mi:212.0 bear:235.4

Undesired Station 7 Name: DKLVX Station Type: HDTV  
City: LAS VEGAS State: NV Channel: 11 km: .0 mi: .0 bear:270.0

Undesired Station 8 Name: DKUSG Station Type: HDTV  
City: ST. GEORGE State: UT Channel: 9 km:173.7 mi:108.0 bear: 47.1

Stations that actually do contribute to interference.

Name	NTSC Int	HDTV Int
DKLVX	.00 sq km	283.74 sq km

Signal below minimum

Area: 106200. sq km

Population: 182000.

Households: 65000.

Interference

Area: 280. sq km

Population: 0.

Households: 0.

No Interference

Area: 16100. sq km

Population: 705000.

Households: 272000.

**FIGURE C-11**  
**KL VX-CHANNEL 10**  
**WITHOUT KTNV CHANNEL 9 DTV**

TA Services  
 WARMUS & ASSOCIATES, INC.  
 KL VX W/O DKTNV9  
 21-APR-87 22:41:13  
 RS200AUG2007P ques

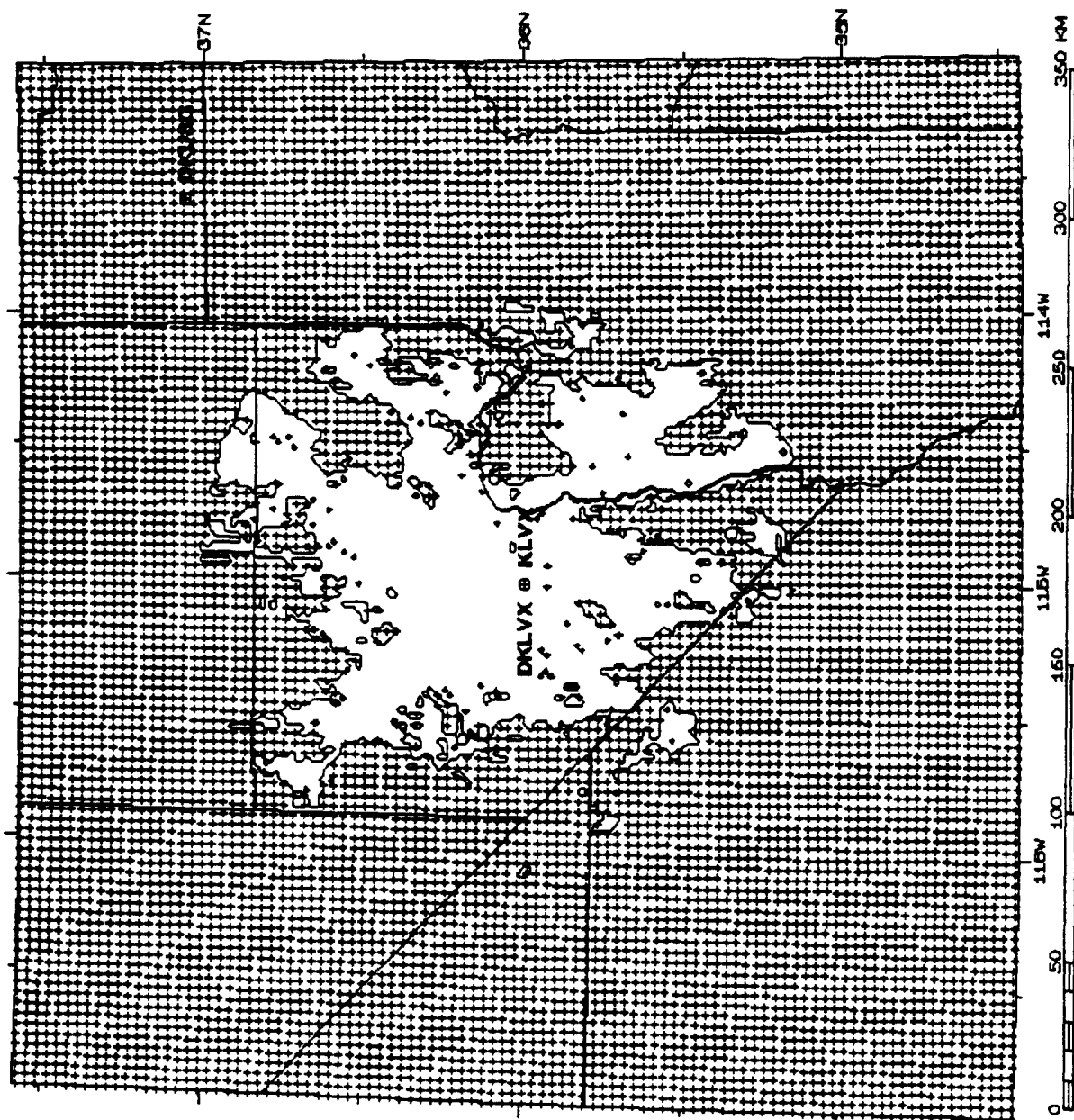


TABLE C-12  
KUSG-CHANNEL 9 DTV  
WITH KTNV CHANNEL 9 DTV

Message Segment (/taservice/restart/RS209Aug2097Q.desc):

NTSC/DTV Interference study /taservice/restart/RS209Aug2097Q.desc

Desired Station Name: DKUSG Station Type: HDTV  
City: ST. GEORGE State: UT Channel: 9  
Undesired Station 1 Name: KCFG Station Type: NTSC  
City: FLAGSTAFF State: AZ Channel: 9 km:269.2 mi:167.3 bear:138.2  
Undesired Station 2 Name: KLASTV Station Type: NTSC  
City: LAS VEGAS State: NV Channel: 8 km:180.8 mi:112.3 bear:227.0  
Undesired Station 3 Name: KLVX Station Type: NTSC  
City: LAS VEGAS State: NV Channel: 10 km:173.7 mi:108.0 bear:227.9  
Undesired Station 4 Name: DKTNV Station Type: HDTV  
City: LAS VEGAS State: NV Channel: 9 km:180.8 mi:112.4 bear:227.0

Stations that actually do contribute to interference.

Name	NTSC Int	HDTV Int
DKTNV	.00 sq km	24.91 sq km

Signal below minimum

Area: 121270. sq km

Population: 802000.

Households: 303000.

Interference

Area: 20. sq km

Population: 0.

Households: 0.

No Interference

Area: 1280. sq km

Population: 45000.

Households: 15000.

FIGURE C-12  
KUSG-CHANNEL 9 DTV  
WITH KTNV CHANNEL 9 DTV

TA Services  
WARNUS & ASSOCIATES, INC.  
DKUSG W/ DKTNV  
21-Apr-87 22:41:13  
RS209Aug2087Quies

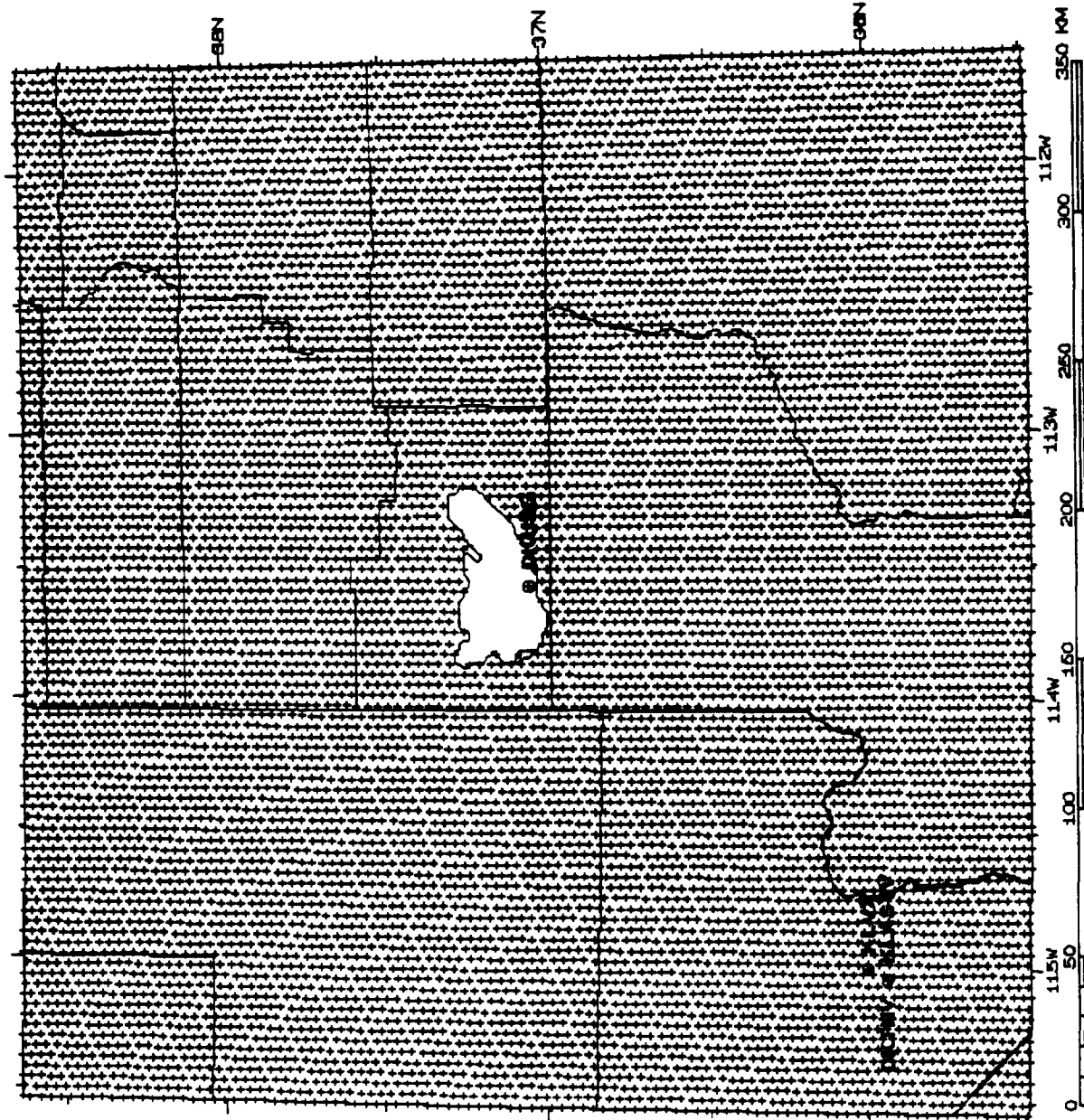




TABLE C-13  
KUSG-CHANNEL 9 DTV  
WITHOUT KTNV CHANNEL 9 DTV

Message Segment (/taservice/restart/RS209Aug2097R.desc):

NTSC/DTV Interference study /taservice/restart/RS209Aug2097R.desc

Desired Station Name: DKUSG Station Type: HDTV

City: ST. GEORGE State: UT Channel: 9

Undesired Station 1 Name: KCFG Station Type: NTSC

City: FLAGSTAFF State: AZ Channel: 9 km:269.2 mi:167.3 bear:138.2

Undesired Station 2 Name: KLASTV Station Type: NTSC

City: LAS VEGAS State: NV Channel: 8 km:180.8 mi:112.3 bear:227.0

Undesired Station 3 Name: KLVX Station Type: NTSC

City: LAS VEGAS State: NV Channel: 10 km:173.7 mi:108.0 bear:227.9

Stations that actually do contribute to interference.

Name	NTSC Int	HDTV Int
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Signal below minimum

Area: 121270. sq km

Population: 802000.

Households: 303000.

Interference

Area: 0. sq km

Population: 0.

Households: 0.

No Interference

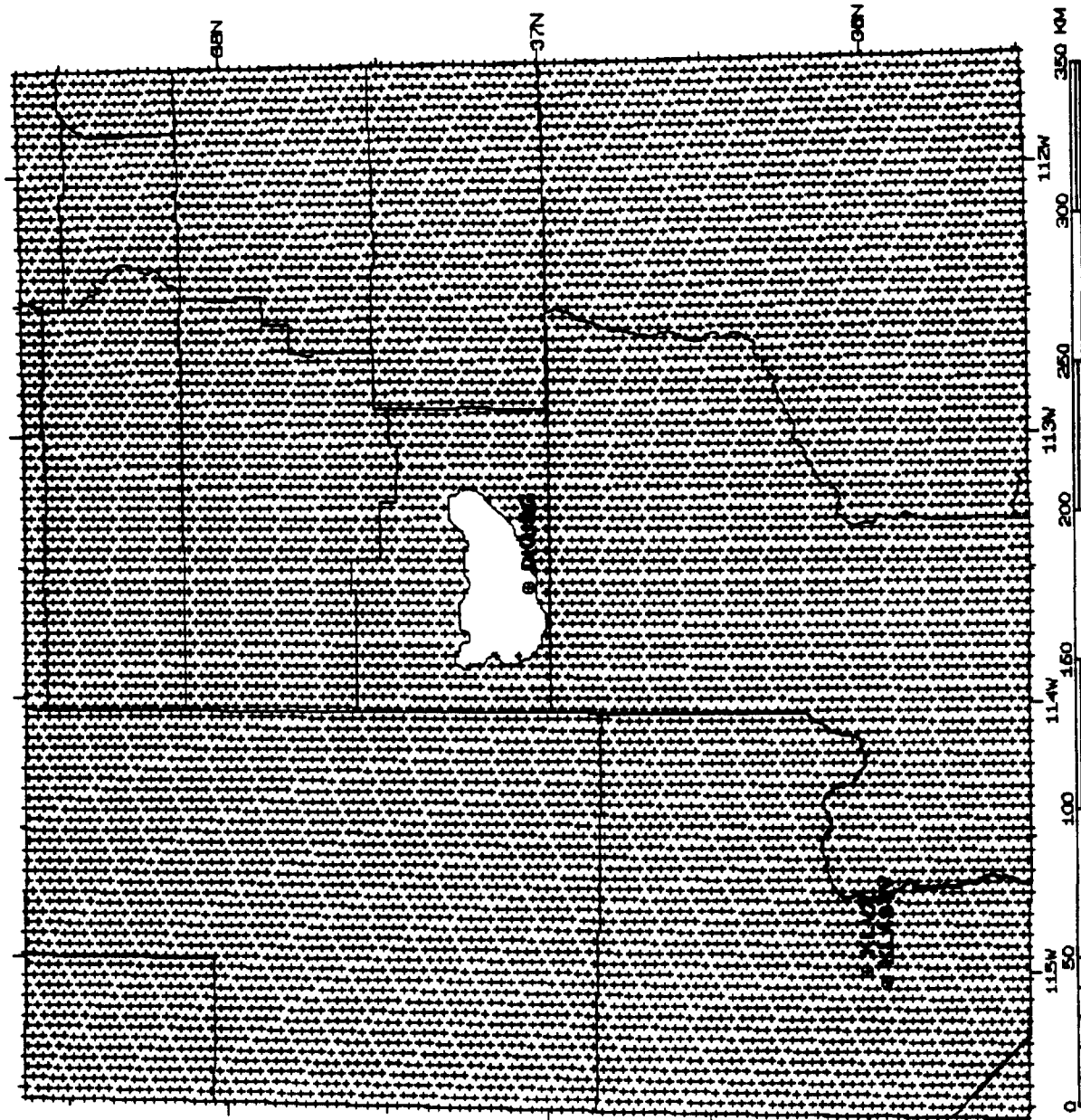
Area: 1300. sq km

Population: 45000.

Households: 15000.

FIGURE C-13  
KUSG-CHANNEL 9 DTV  
WITHOUT KTNV CHANNEL 9 DTV

TA Services  
WARNER & ASSOCIATES, INC.  
DKLUSG W/O DKTNV9  
21-Apr-87 22:41:13  
FIS208Aug2087Rques



Signal to Interference ratio

- ☐ No Interference  
Area: 1300. sq km  
Population: 45000.  
Households: 15000.
- ☐ Interference  
Area: 0. sq km  
Population: 0.  
Households: 0.
- ☐ Signal below minimum  
Area: 121270. sq km  
Population: 802000.  
Households: 303000.